

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP 03/10031

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01B7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT.

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 616 717 A (LUETZOW EDWIN J) 14 October 1986 (1986-10-14) column 3, line 50 -column 10, line 39; figures 1-3	1-12
A	EP 0 590 694 A (YAZAKI CORP) 6 April 1994 (1994-04-06) column 5, line 14 -column 12, line 11; figures 1-16	1-12

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

20 February 2004

Date of mailing of the international search report

02/03/2004

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Information on patent family members

International application No

PCT/EP 93/10031

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4616717	A	14-10-1986	US 4375379 A	01-03-1983
EP 0590694	A	06-04-1994	JP 2174012 A	05-07-1990
			JP 2900342 B2	02-06-1999
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			DE 68928244 T2	11-12-1997
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			PT 92704 A ,B	29-06-1990
			US 5010642 A	30-04-1991